

Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$10,961
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$6,000
<i>Total Other Direct Costs (G)</i>	\$16,961
H. Total Direct Costs (A Through G)	\$90,956
I. Indirect Costs*	\$59,044
J. Total Direct and Indirect Costs (H + I)	\$150,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$150,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

The indirect cost rate(s) for this award is/are not available. These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2331228

Managing Division Abbreviation: IOS

Amendment Number: 001

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Frwd Funded

Amendment Date: 09/21/2023

Amendment Number: 001

Proposal Number: 2348297

Amendment Description:

The purpose of this amendment is to forward fund scheduled incremental funding to the award in the amount shown below in the Funding Information section.

This amendment includes funds that were originally scheduled to be released in FY 2024. It is still the grantee's responsibility to submit an annual project report for each year in accordance with the NSF policies.

Except as modified by this amendment, the award conditions remain unchanged.

AWARD INFORMATION

Award Number (FAIN): 2331228

Award Instrument: Continuing Grant

Award Date: 08/04/2023

Award Period of Performance: Start Date: 08/15/2023 End Date: 07/31/2025

Project Title: EAGER: Identifying the genetic determinants of plasmid-dependent phage host range

Managing Division Abbreviation: IOS

Research and Development Award: Yes

Funding Opportunity: NSF 23-1 Proposal & Award Policies & Procedures Guide - PAPPG

Assistance Listing Number(s) and Name(s): 47.074 Biological Sciences (See Amendment 000 for source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$150,000
Total Intended Award Amount: \$300,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$300,000

PROJECT PERSONNEL**Principal Investigator:****Email:**

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION**Managing Grants Official**

(Primary Contact)

Name: Vanessa L. Richardson**Email:** vlrichar@nsf.gov**Phone:** (703) 292-4839**Awarding Official****Name:** Vanessa L. Richardson**Email:** vlrichar@nsf.gov**Managing Program Officer****Name:** Mamta Rawat**Email:** mrawat@nsf.gov**Phone:** (703) 292-7265**GENERAL TERMS AND CONDITIONS**

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	1.20
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$16,361
B. Other Personnel	

Post Doctoral Scholars	
Post Doctoral Count	4.80
Post Doctoral Calendar Months	1.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$28,980
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	1.00
Graduate Students Amount	\$22,357
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$67,698
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$67,698
D. Equipment	\$9,612
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00

<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$7,646
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$6,000
<i>Total Other Direct Costs (G)</i>	\$13,646
H. Total Direct Costs (A Through G)	\$90,956
I. Indirect Costs*	\$59,044
J. Total Direct and Indirect Costs (H + I)	\$150,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$150,000
M. Cost Sharing Proposed Level	\$0

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2331831

Managing Division Abbreviation: IIS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 09/18/2023

Amendment Number: 000

Proposal Number: 2331831

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2331831

Award Instrument: Standard Grant

Award Date: 09/18/2023

Award Period of Performance: Start Date: 11/01/2023 End Date: 10/31/2026

Project Title: SLES: A Theoretical Lens on Generative AI Safety: Near and Long Term

Managing Division Abbreviation: IIS

Research and Development Award: Yes

Funding Opportunity: NSF 23-562 Safe Learning-Enabled Systems

Assistance Listing Number(s) and Name(s): 47.070 Computer and Information Science and Engineering (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$800,000

Total Intended Award Amount: \$800,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$800,000
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

co-Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

co-Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
 (Primary Contact)
Name: Tianay M. Robinson
Email: trobinso@nsf.gov
Phone: (703) 292-7859

Awarding Official
Name: Jannele L. Gosey
Email: jgosey@nsf.gov

Managing Program Officer
Name: Vladimir Pavlovic
Email: vpavlovi@nsf.gov
Phone: (703) 292-8318

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 23-562 Safe Learning-Enabled Systems.

BUDGET

A. Senior Personnel	
Senior Personnel Count	8.99
Senior Personnel Calendar	6.00

Months	
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$155,436
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	6.00
Graduate Students Amount	\$205,399
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$360,835
C. Fringe Benefits	\$33,416
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$394,251
D. Equipment	\$0
E. Travel	
Domestic	\$24,000
International	\$0
F. Participant Support Costs	
Participant Support Costs	\$0

Stipends	
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$1,915
Publication Costs	\$3,000
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$84,849
<i>Total Other Direct Costs (G)</i>	\$89,764
H. Total Direct Costs (A Through G)	\$508,015
I. Indirect Costs*	\$291,985
J. Total Direct and Indirect Costs (H + I)	\$800,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$800,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2332539

Managing Division Abbreviation: CHE

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE 5TH FL CAMBRIDGE, MA 02138-5369

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 06/27/2023

Amendment Number: 000

Proposal Number: 2332539

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2332539

Award Instrument: Standard Grant

Award Date: 06/27/2023

Award Period of Performance: Start Date: 08/01/2023 End Date: 07/31/2025

Project Title: EAGER: Coherent Manipulation and Quantum Entanglement in Ultracold Reactions

Managing Division Abbreviation: CHE

Research and Development Award: Yes

Funding Opportunity: NSF 23-1 Proposal & Award Policies & Procedures Guide - PAPPG

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$300,000

Total Intended Award Amount: \$300,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$300,000
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator:

Email:

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)

Name: Pamela V. Conyers

Email: pconyers@nsf.gov

Phone: (703) 292-5329

Awarding Official

Name: Pamela V. Conyers

Email: pconyers@nsf.gov

Managing Program Officer

Name: Amanda Haes

Email: ahaes@nsf.gov

Phone: (703) 292-7909

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	2.00
Senior Personnel Calendar Months	0.50
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$14,046
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	2.00

Post Doctoral Calendar Months	0.60
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$39,928
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	2.00
Graduate Students Amount	\$44,518
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$98,492
C. Fringe Benefits	\$11,605
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$110,097
D. Equipment	\$100,000
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	

Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$13,938
<i>Total Other Direct Costs (G)</i>	\$13,938
H. Total Direct Costs (A Through G)	\$224,035
I. Indirect Costs*	\$75,965
J. Total Direct and Indirect Costs (H + I)	\$300,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$300,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2332668

Managing Division Abbreviation: OSI

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 06/25/2024

Amendment Number: 000

Proposal Number: 2332668

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above as modified by revised budget dated 06/11/2024.

AWARD INFORMATION

Award Number (FAIN): 2332668

Award Instrument: Standard Grant

Award Date: 06/25/2024

Award Period of Performance: Start Date: 07/01/2024 End Date: 06/30/2027

Project Title: Collaborative Research: SWIFT-SAT: Coexistence of Remote Astronomical Instruments Susceptible to Interference with Large Communication Satellite Constellations

Managing Division Abbreviation: OSI

Research and Development Award: Yes

Funding Opportunity: NSF 23-567 Spectrum and Wireless Innovation enabled by Future Technologies - Satellite-Terrestrial Coexistence

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences (Predominant source of funding for SEFA reporting), 47.078 Polar Programs

FUNDING INFORMATION

Amount Obligated by this Amendment: \$259,284
Total Intended Award Amount: \$259,284
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$259,284
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator:	Email:	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE
[REDACTED]	[REDACTED]	

COLLABORATIVE INFORMATION

Proposal ID	Lead	PI Name	Organization
2332665	Y	[REDACTED]	University of New Mexico
2332666	N	[REDACTED]	University of Minnesota-Twin Cities
2332667	N	[REDACTED]	The University of Chicago
2332668	N	[REDACTED]	Harvard College, President & Fellows of Harvard University

NSF CONTACT INFORMATION

Managing Grants

Official (Primary Contact)
Name: Lynda Kummelt
Email: lkummelt@nsf.gov
Phone: (703) 292-7721

Awarding Official
Name: Lynda Kummelt
Email: lkummelt@nsf.gov

Managing Program Officer
Name: John Michael Chapin
Email: jchapin@nsf.gov
Phone: (703) 292-8222

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at

<https://www.nsf.gov/awards/managing/rte.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 23-567 Spectrum and Wireless Innovation enabled by Future Technologies - Satellite-Terrestrial Coexistence.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	1.44
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$37,470
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	3.00
Graduate Students Amount	\$68,873
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	

Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$106,343
C. Fringe Benefits	\$8,320
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$114,663
D. Equipment	\$33,466
E. Travel	
Domestic	\$2,160
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$4,500
Subawards	\$0
Other	\$20,784
<i>Total Other Direct Costs (G)</i>	\$25,284
H. Total Direct Costs (A Through G)	\$175,573
I. Indirect Costs*	\$83,711
J. Total Direct and Indirect Costs (H + I)	\$259,284
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$259,284
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2333014

Managing Division Abbreviation: DBI

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/08/2024

Amendment Number: 000

Proposal Number: 2333014

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2333014

Award Instrument: Standard Grant

Award Date: 08/08/2024

Award Period of Performance: Start Date: 09/01/2024 End Date: 08/31/2027

Project Title: Rehousing and Digitization of the Museum of Comparative Zoology Recent Invertebrate Microscope Slide Collections

Managing Division Abbreviation: DBI

Research and Development Award: Yes

Funding Opportunity: NSF 23-580 Infrastructure Capacity for Biological Research

Assistance Listing Number(s) and Name(s): 47.074 Biological Sciences (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$639,620
Total Intended Award Amount: \$639,620
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$639,620
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED]	Email: [REDACTED]	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE
co-Principal Investigator: [REDACTED]	Email: [REDACTED]	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE
co-Principal Investigator: [REDACTED]	Email: [REDACTED]	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE
co-Principal Investigator: [REDACTED]	Email: [REDACTED]	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE
co-Principal Investigator: [REDACTED]	Email: [REDACTED]	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official (Primary Contact) Name: Termia M. Millard Email: tmillard@nsf.gov Phone: (703) 292-7074	Awarding Official Name: Vanessa L. Richardson Email: vlrichar@nsf.gov	Managing Program Officer Name: Reed Schiele Beaman Email: rsbeaman@nsf.gov Phone: (703) 292-7163
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GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 23-580 Infrastructure

Capacity for Biological Research.

BUDGET

A. Senior Personnel	
Senior Personnel Count	15.00
Senior Personnel Calendar Months	0.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	6.00
Other Professionals Calendar Months	54.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$198,552
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	3.00
Undergraduate Students Amount	\$18,574
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	3.00
Other Amount	\$8,915
<i>Total Salaries and Wages (A+B)</i>	\$226,041
C. Fringe Benefits	\$82,876

<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$308,917
D. Equipment	\$137,661
E. Travel	
Domestic	\$2,368
International	\$3,124
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$60,188
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$60,188
H. Total Direct Costs (A Through G)	\$512,258
I. Indirect Costs*	\$127,362
J. Total Direct and Indirect Costs (H + I)	\$639,620
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$639,620
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC, Other Sponsored Activities rate	34.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG)

Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2333466

Managing Division Abbreviation: PHY

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 12/19/2023

Amendment Number: 000

Proposal Number: 2333466

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2333466

Award Instrument: Continuing Grant

Award Date: 12/19/2023

Award Period of Performance: Start Date: 01/01/2024 End Date: 12/31/2025

Project Title: EAGER: Collaborative K-12 Outreach at the Interface between Biology and Imaging Science

Managing Division Abbreviation: PHY

Research and Development Award: Yes

Funding Opportunity: NSF 21-593 Division of Physics: Investigator-Initiated Research Projects

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$149,971
Total Intended Award Amount: \$299,942
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$149,971
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$149,971

PROJECT PERSONNEL

Principal Investigator:

Email:

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official

(Primary Contact)

Name: Pamela V. Conyers

Email: pconyers@nsf.gov

Phone: (703) 292-5329

Awarding Official

Name: Pamela V. Conyers

Email: pconyers@nsf.gov

Managing Program Officer

Name: Krastan B Blagoev

Email: kblagoev@nsf.gov

Phone: (703) 292-4666

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 21-593 Division of Physics: Investigator-Initiated Research Projects.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	0.00
Senior Personnel Academic	0.00

Months	
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$0
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$0
D. Equipment	
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs	\$0

Travel	
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$88,740
<i>Total Other Direct Costs (G)</i>	\$88,740
H. Total Direct Costs (A Through G)	\$88,740
I. Indirect Costs*	\$61,231
J. Total Direct and Indirect Costs (H + I)	\$149,971
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$149,971
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
Indirect/Overhead/F&A Rate	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2333888

Managing Division Abbreviation: IOS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 12/20/2023

Amendment Number: 000

Proposal Number: 2333888

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above.

Funds provided for participant support may not be diverted by the awardee to other categories of expense without the prior written approval of the cognizant NSF Program Officer. Since participant support cost is not a normal account classification, the awardee organization must be able to separately identify participant support costs. It is highly recommended that separate accounts, sub-accounts, sub-task, or sub-ledgers be established to accumulate these costs. The awardee should have written policies and procedures to segregate participant support costs.

Costs of entertainment, amusement, diversion and social activities, and any costs directly associated with such activities (such as meals, lodging, rentals, transportation and gratuities) are unallowable.

When certain meals are an integral and necessary part of a conference or meeting (i.e., working meals where business is transacted), grant funds may be used for such meals. Grant funds may also be used to furnish a reasonable amount of coffee or soft drinks for conference or meeting participants and attendees during coffee breaks.

No NSF funds may be spent on meals or coffee breaks for intramural meetings of an organization or any of its components, including, but not limited to, laboratories, departments and centers.

AWARD INFORMATION

Award Number (FAIN): 2333888**Award Instrument:** Continuing Grant**Award Date:** 12/20/2023**Award Period of Performance:** Start Date: 02/01/2024 End Date: 01/31/2027**Project Title:** Collaborative Research: NSF-BSF: Under Pressure: The evolution of guard cell turgor and the rise of the angiosperms**Managing Division Abbreviation:** IOS**Research and Development Award:** Yes**Funding Opportunity:** NSF 23-547 Division of Integrative Organismal Systems Core Programs**Assistance Listing Number(s) and Name(s):** 47.074 Biological Sciences (Predominant source of funding for SEFA reporting)**FUNDING INFORMATION****Amount Obligated by this Amendment:** \$273,690**Total Intended Award Amount:** \$735,900**Total Approved Cost Share or Matching Amount:** \$0**Total Amount Obligated to Date:** \$273,690**Expenditure Limitation:** Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$226,865
2026	\$235,345

PROJECT PERSONNEL**Principal Investigator:****Email:****Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE**COLLABORATIVE INFORMATION**

Proposal ID	Lead	PI Name	Organization
2333888	Y		Harvard College, President & Fellows of Harvard University
2333889	N		Yale University
2333890	N		Purdue University

NSF CONTACT INFORMATION**Managing Grants****Official** (Primary Contact)**Name:** Termia M. Millard**Email:** tmillard@nsf.gov**Phone:** (703) 292-7074**Awarding Official****Name:** Vanessa L. Richardson**Email:** vlrichar@nsf.gov**Managing Program Officer****Name:** Theodore J. Morgan**Email:** tmorgan@nsf.gov**Phone:** (703) 292-7868**GENERAL TERMS AND CONDITIONS**

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 23-547 Division of Integrative Organismal Systems Core Programs.

BUDGET

A. Senior Personnel	
Senior Personnel Count	2.00
Senior Personnel Calendar Months	1.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$26,164
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	1.00
Post Doctoral Calendar Months	12.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$65,000
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar	0.00

Months	
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	1.00
Undergraduate Students Amount	\$9,180
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$100,344
C. Fringe Benefits	\$20,300
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$120,644
D. Equipment	\$47,455
E. Travel	
Domestic	\$1,873
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$11,350
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$11,350
H. Total Direct Costs (A	\$181,322

Through G)	
I. Indirect Costs*	\$92,368
J. Total Direct and Indirect Costs (H + I)	\$273,690
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$273,690
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2333904

Managing Division Abbreviation: PHY

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 11/15/2023

Amendment Number: 000

Proposal Number: 2333904

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above.

In accordance with sections 1869a and 1869b of title 42 of the United States Code, the awardee will do the following: 1. Obtain from the school board or comparable authority responsible for the schools considering participation in the project, written approval prior to involvement of pre-college students in pre-college education research and development, pilot-testing, evaluation, and revision of experimental and innovative pre-college curriculum. 2. Include in every publication, testing, or distribution agreement involving instructional materials developed under this grant (including, but not limited to, teachers' manuals, textbooks, films, tapes, or other supplementary material) a requirement that such material be made available within the school district using it for inspection by parents or guardians of children engaged in educational programs or projects using such material of that school district.

AWARD INFORMATION

Award Number (FAIN): 2333904

Award Instrument: Continuing Grant

Award Date: 11/15/2023

Award Period of Performance: Start Date: 12/01/2023 End Date: 11/30/2025

Project Title: EAGER: Researching Team-Based Learning in High-School Physics Classes

Managing Division Abbreviation: PHY

Research and Development Award: Yes

Funding Opportunity: NSF 21-593 Division of Physics: Investigator-Initiated Research Projects
Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$155,273
Total Intended Award Amount: \$300,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$155,273
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$144,727

PROJECT PERSONNEL

Principal Investigator:

Email:

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Pamela V. Conyers
Email: pconyers@nsf.gov
Phone: (703) 292-5329

Awarding Official
Name: Pamela V. Conyers
Email: pconyers@nsf.gov

Managing Program Officer
Name: Krastan B Blagoev
Email: kblagoev@nsf.gov
Phone: (703) 292-4666

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 21-593 Division of Physics: Investigator-Initiated Research Projects.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	0.50
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$18,304
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	1.00
Other Professionals Calendar Months	2.60
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$18,000
Graduate Students	
Graduate Students Count	1.00
Graduate Students Amount	\$44,410
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$80,714
C. Fringe Benefits	\$5,699
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$86,413
D. Equipment	\$0

E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$9,235
<i>Total Other Direct Costs (G)</i>	\$9,235
H. Total Direct Costs (A Through G)	\$95,648
I. Indirect Costs*	\$59,625
J. Total Direct and Indirect Costs (H + I)	\$155,273
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$155,273
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2334882

Managing Division Abbreviation: CNS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/21/2024

Amendment Number: 000

Proposal Number: 2334882

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2334882

Award Instrument: Standard Grant

Award Date: 08/21/2024

Award Period of Performance: Start Date: 09/01/2024 End Date: 08/31/2027

Project Title: Collaborative Research: Artificially-Evolved Modular Robotic Swimmers for Enhanced Mobility in Challenging Hydrodynamic Environments

Managing Division Abbreviation: CNS

Research and Development Award: Yes

Funding Opportunity: PD 20-144Y Foundational Research in Robotics

Assistance Listing Number(s) and Name(s): 47.070 Computer and Information Science and Engineering (Predominant source of funding for SEFA reporting), 47.041 Engineering Grants

FUNDING INFORMATION

Amount Obligated by this Amendment: \$302,687
Total Intended Award Amount: \$302,687
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$302,687
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

COLLABORATIVE INFORMATION

Proposal ID	Lead	PI Name	Organization
2334881	Y	[REDACTED]	The Pennsylvania State University
2334882	N	[REDACTED]	Harvard College, President & Fellows of Harvard University
2334883	N	[REDACTED]	Colorado State University

NSF CONTACT INFORMATION

Managing Grants

Official (Primary Contact)
Name: Mikki Slade
Email: mslade@nsf.gov
Phone: (703) 292-2622

Awarding Official
Name: Jannele L. Gosey
Email: jgosey@nsf.gov

Managing Program Officer
Name: Ralph F Wachter
Email: rwachter@nsf.gov
Phone: (703) 292-8950

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET**A. Senior Personnel**

Senior Personnel Count	3.00
Senior Personnel Calendar Months	0.30
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$8,656

B. Other Personnel**Post Doctoral Scholars**

Post Doctoral Count	2.00
Post Doctoral Calendar Months	24.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$134,640

Other Professionals

Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0

Graduate Students

Graduate Students Count	0.00
Graduate Students Amount	\$0

Undergraduate Students

Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0

Secretarial - Clerical

Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0

Other

Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$143,296

C. Fringe Benefits

<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$174,105
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D. Equipment

	\$0
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E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$5,000
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$5,000
H. Total Direct Costs (A Through G)	\$179,105
I. Indirect Costs*	\$123,582
J. Total Direct and Indirect Costs (H + I)	\$302,687
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$302,687
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2334984

Managing Division Abbreviation: DBI

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 03/27/2024

Amendment Number: 000

Proposal Number: 2334984

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above as modified by email dated 03/05/2024.

The Foundation authorizes the awardee to enter into the proposed subaward arrangement. The subaward agreement should contain appropriate provisions in accordance with the award terms and conditions in effect at the time of this award amendment, and contain any special conditions included in this award.

AWARD INFORMATION

Award Number (FAIN): 2334984

Award Instrument: Standard Grant

Award Date: 03/27/2024

Award Period of Performance: Start Date: 04/01/2024 End Date: 03/31/2026

Project Title: DESIGN: Culture Change - Building a Relational and Inclusive Discipline through Genetics Engagement (CC-BRIDGE)

Managing Division Abbreviation: DBI

Research and Development Award: Yes

Funding Opportunity: NSF 22-542 Leading Culture Change Through Professional Societies of Biology

Assistance Listing Number(s) and Name(s): 47.074 Biological Sciences (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$499,957
Total Intended Award Amount: \$499,957
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$499,957
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL**Principal Investigator:**

[REDACTED]

Email:

[REDACTED]

Organization:
 PRESIDENT AND
 FELLOWS OF
 HARVARD COLLEGE

co-Principal Investigator:

[REDACTED]

Email:

[REDACTED]

Organization:
 GENETICS SOCIETY
 OF AMERICA INC

co-Principal Investigator:

[REDACTED]

Email:

[REDACTED]

Organization:
 PRESIDENT AND
 FELLOWS OF
 HARVARD COLLEGE

co-Principal Investigator:

[REDACTED]

Email:

[REDACTED]

Organization:
 GENETICS SOCIETY
 OF AMERICA INC

NSF CONTACT INFORMATION**Managing Grants****Official (Primary Contact)****Name:** Termia M. Millard**Email:** tmillard@nsf.gov**Phone:** (703) 292-7074**Awarding Official****Name:** Vanessa L. Richardson**Email:** vlrichar@nsf.gov**Managing Program Officer****Name:** Wilson A. Francisco**Email:** wfrancis@nsf.gov**Phone:** (703) 292-7856**GENERAL TERMS AND CONDITIONS**

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rte.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-542 Leading Culture Change Through Professional Societies of Biology.

BUDGET

A. Senior Personnel	
Senior Personnel Count	10.00
Senior Personnel Calendar Months	13.80
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$113,438
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$113,438

C. Fringe Benefits	\$43,142
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$156,580
D. Equipment	\$0
E. Travel	
Domestic	\$2,096
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$40,000
Computer Services	\$0
Subawards	\$211,811
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$251,811
H. Total Direct Costs (A Through G)	\$410,487
I. Indirect Costs*	\$89,470
J. Total Direct and Indirect Costs (H + I)	\$499,957
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$499,957
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

The indirect cost rate(s) for this award is/are not available. These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2336044

Managing Division Abbreviation: EAR

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 02/22/2024

Amendment Number: 000

Proposal Number: 2336044

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above.

Year 4 and Year 5 budgets will be released in Fiscal Year 2027. It is still the grantee's responsibility to submit an annual project report in accordance with the award terms and conditions.

Costs of entertainment, amusement, diversion and social activities, and any costs directly associated with such activities (such as meals, lodging, rentals, transportation and gratuities) are unallowable. When certain meals are an integral and necessary part of a conference or meeting (i.e., working meals where business is transacted), grant funds may be used for such meals. Grant funds may also be used to furnish a reasonable amount of coffee or soft drinks for conference or meeting participants and attendees during coffee breaks.

No NSF funds may be spent on meals or coffee breaks for intramural meetings of an organization or any of its components, including, but not limited to, laboratories, departments and centers.

AWARD INFORMATION

Award Number (FAIN): 2336044

Award Instrument: Continuing Grant

Award Date: 02/22/2024

Award Period of Performance: Start Date: 07/01/2024 End Date: 06/30/2029

Project Title: CAREER: Habitability of the Hadean Earth - A South African perspective
Managing Division Abbreviation: EAR
Research and Development Award: Yes
Funding Opportunity: NSF 22-586 Faculty Early Career Development Program
Assistance Listing Number(s) and Name(s): 47.050 Geosciences (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

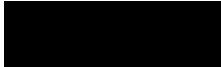
Amount Obligated by this Amendment: \$107,136
Total Intended Award Amount: \$887,605
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$107,136
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$223,085
2026	\$280,638
2027	\$276,746

PROJECT PERSONNEL

Principal Investigator:



Email:



Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)

Name: Angela A. Turner
Email: aturner@nsf.gov
Phone: (703) 292-7524

Awarding Official

Name: Angela A. Turner
Email: aturner@nsf.gov

Managing Program Officer

Name: Jennifer A Wade
Email: jwade@nsf.gov
Phone: (703) 292-4739

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-586 Faculty Early Career Development Program.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	1.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$13,070
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	2.00
Undergraduate Students Amount	\$9,600
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$22,670

C. Fringe Benefits	\$2,810
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$25,480
D. Equipment	\$0
E. Travel	
Domestic	\$11,164
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$1,000
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$25,750
<i>Total Other Direct Costs (G)</i>	\$26,750
H. Total Direct Costs (A Through G)	\$63,394
I. Indirect Costs*	\$43,742
J. Total Direct and Indirect Costs (H + I)	\$107,136
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$107,136
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
Overhead	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2336044

Managing Division Abbreviation: EAR

Amendment Number: 001

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Frwd Funded

Amendment Date: 08/28/2024

Amendment Number: 001

Proposal Number: 2447956

Amendment Description:

The purpose of this amendment is to forward fund scheduled incremental funding to the award in the amount shown below in the Funding Information section.

This amendment includes funds that were originally scheduled to be released in a future fiscal year 2025. It is still the grantee's responsibility to submit an annual project report for each year in accordance with the NSF policies.

Funds provided by this award include support for "Research Experiences for Undergraduates" in accordance with the NSF program solicitation NSF 23-601.

Except as modified by this amendment, the award conditions remain unchanged.

AWARD INFORMATION

Award Number (FAIN): 2336044

Award Instrument: Continuing Grant

Award Date: 02/22/2024

Award Period of Performance: Start Date: 07/01/2024 End Date: 06/30/2029

Project Title: CAREER: Habitability of the Hadean Earth - A South African perspective

Managing Division Abbreviation: EAR

Research and Development Award: Yes

Funding Opportunity: NSF 22-586 Faculty Early Career Development Program

Assistance Listing Number(s) and Name(s): 47.050 Geosciences (See Amendment 000 for source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$223,085
Total Intended Award Amount: \$887,605
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$330,221

PROJECT PERSONNEL

Principal Investigator:

[REDACTED]

Email:

[REDACTED]

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)

Name: Angela A. Turner

Email: aturner@nsf.gov

Phone: (703) 292-7524

Awarding Official

Name: Tyffani N. Smith

Email: tnsmith@nsf.gov

Managing Program Officer

Name: Jennifer A Wade

Email: jwade@nsf.gov

Phone: (703) 292-4739

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	1.00
Senior Personnel Academic Months	0.00

Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$13,462
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	1.00
Post Doctoral Calendar Months	12.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$65,000
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	2.00
Undergraduate Students Amount	\$9,888
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$88,350
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$105,219
D. Equipment	
E. Travel	
Domestic	\$13,784
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0

Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$1,000
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$12,000
<i>Total Other Direct Costs (G)</i>	\$13,000
H. Total Direct Costs (A Through G)	\$132,003
I. Indirect Costs*	\$91,082
J. Total Direct and Indirect Costs (H + I)	\$223,085
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$223,085
M. Cost Sharing Proposed Level	\$0

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2337516

Managing Division Abbreviation: BCS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 01/24/2024

Amendment Number: 000

Proposal Number: 2337516

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2337516

Award Instrument: Standard Grant

Award Date: 01/24/2024

Award Period of Performance: Start Date: 02/15/2024 End Date: 01/31/2026

Project Title: Doctoral Dissertation Research: Investigating the genomic underpinnings of the human hand and foot

Managing Division Abbreviation: BCS

Research and Development Award: Yes

Funding Opportunity: NSF 23-504 Biological Anthropology Program - Doctoral Dissertation Research Improvement Grants

Assistance Listing Number(s) and Name(s): 47.075 Social, Behavioral, and Economic Sciences (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$42,250
Total Intended Award Amount: \$42,250
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$42,250
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

co-Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
 (Primary Contact)
Name: Tyffani N. Smith
Email: tnsmith@nsf.gov
Phone: (703) 292-7046

Awarding Official
Name: Tyffani N. Smith
Email: tnsmith@nsf.gov

Managing Program Officer
Name: Marta Pilar Alfonso-Durruty
Email: malfonso@nsf.gov
Phone: (703) 292-7811

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 23-504 Biological Anthropology Program - Doctoral Dissertation Research Improvement Grants.

BUDGET

A. Senior Personnel	
Senior Personnel Count	4.00
Senior Personnel Calendar Months	0.00
Senior Personnel Academic Months	0.00

Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$0
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$0
D. Equipment	
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0

Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$8,500
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$16,500
<i>Total Other Direct Costs (G)</i>	\$25,000
H. Total Direct Costs (A Through G)	\$25,000
I. Indirect Costs*	\$17,250
J. Total Direct and Indirect Costs (H + I)	\$42,250
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$42,250
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2338206

Managing Division Abbreviation: CHE

Amendment Number:
000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 03/21/2024

Amendment Number: 000

Proposal Number: 2338206

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above as modified by revised budget dated 02/09/2024.

AWARD INFORMATION

Award Number (FAIN): 2338206

Award Instrument: Continuing Grant

Award Date: 03/21/2024

Award Period of Performance: Start Date: 07/01/2024 End Date: 06/30/2029

Project Title: CAREER: CAS: Organic Photochemistry for Light-Driven CO2 Capture and Release

Managing Division Abbreviation: CHE

Research and Development Award: Yes

Funding Opportunity: NSF 22-586 Faculty Early Career Development Program

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$322,644
Total Intended Award Amount: \$770,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$322,644
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$447,356

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official (Primary Contact) Name: Pamela V. Conyers Email: pconyers@nsf.gov Phone: (703) 292-5329	Awarding Official Name: Pamela V. Conyers Email: pconyers@nsf.gov	Managing Program Officer Name: Tingyu Li Email: tli@nsf.gov Phone: (703) 292-4949
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GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-586 Faculty Early Career Development Program.

BUDGET

A. Senior Personnel	
Senior Personnel Count	2.00
Senior Personnel Calendar Months	2.00

Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$29,088
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	2.00
Graduate Students Amount	\$91,350
Undergraduate Students	
Undergraduate Students Count	2.00
Undergraduate Students Amount	\$10,150
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$130,588
C. Fringe Benefits	\$6,254
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$136,842
D. Equipment	\$0
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0

Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$17,852
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$52,931
<i>Total Other Direct Costs (G)</i>	\$70,783
H. Total Direct Costs (A Through G)	\$207,625
I. Indirect Costs*	\$115,019
J. Total Direct and Indirect Costs (H + I)	\$322,644
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$322,644
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2338206

Managing Division Abbreviation: CHE

Amendment Number:
001

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Frwd Funded

Amendment Date: 09/03/2024

Amendment Number: 001

Proposal Number: 2448401

Amendment Description:

The purpose of this amendment is to forward fund scheduled incremental funding to the award in the amount shown below in the Funding Information section.

This amendment includes funds that were originally scheduled to be released in a future fiscal year. It is still the grantee's responsibility to submit an annual project report for each year in accordance with the NSF policies.

Except as modified by this amendment, the award conditions remain unchanged.

AWARD INFORMATION

Award Number (FAIN): 2338206

Award Instrument: Continuing Grant

Award Date: 03/21/2024

Award Period of Performance: Start Date: 07/01/2024 End Date: 06/30/2029

Project Title: CAREER: CAS: Organic Photochemistry for Light-Driven CO2 Capture and Release

Managing Division Abbreviation: CHE

Research and Development Award: Yes

Funding Opportunity: NSF 22-586 Faculty Early Career Development Program

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences (See Amendment 000 for source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$447,356
Total Intended Award Amount: \$770,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$770,000

PROJECT PERSONNEL**Principal Investigator:****Email****Organization:**

PRESIDENT AND
 FELLOWS OF
 HARVARD COLLEGE

NSF CONTACT INFORMATION**Managing Grants Official**

(Primary Contact)

Name: Pamela V. Conyers**Email:** pconyers@nsf.gov**Phone:** (703) 292-5329**Awarding Official****Name:** Denise M. Martin**Email:** dmartin@nsf.gov**Managing Program****Officer****Name:** Tingyu Li**Email:** tli@nsf.gov**Phone:** (703) 292-4949**GENERAL TERMS AND CONDITIONS**

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	2.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$31,095

B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	3.00
Graduate Students Amount	\$147,562
Undergraduate Students	
Undergraduate Students Count	3.00
Undergraduate Students Amount	\$16,397
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$195,054
C. Fringe Benefits	\$6,685
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$201,739
D. Equipment	\$0
E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0

Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$26,778
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$48,742
<i>Total Other Direct Costs (G)</i>	\$75,520
H. Total Direct Costs (A Through G)	\$277,259
I. Indirect Costs*	\$170,097
J. Total Direct and Indirect Costs (H + I)	\$447,356
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$447,356
M. Cost Sharing Proposed Level	\$0

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2338760

Managing Division Abbreviation: DMS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 01/10/2024

Amendment Number: 000

Proposal Number: 2338760

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above as modified by revised budget dated 12/19/2023.

AWARD INFORMATION

Award Number (FAIN): 2338760

Award Instrument: Continuing Grant

Award Date: 01/10/2024

Award Period of Performance: Start Date: 07/01/2024 End Date: 06/30/2029

Project Title: CAREER: Statistical Inference in Observational Studies -- Theory, Methods, and Beyond

Managing Division Abbreviation: DMS

Research and Development Award: Yes

Funding Opportunity: NSF 22-586 Faculty Early Career Development Program

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$81,885